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Thank you for choosing ZoomR.

3VOLV™ makes ZoomR™, the world's most versatile electric boards that'll change the way you move, play and travel. Before using the ZoomR, you must read the Product Manual carefully and ensure that you only use the ZoomR in the way it was designed to be used.



ZoomR is not a toy and can cause serious injury and or death if not used correctly. It is vital that you read this manual carefully. Further, you must practise using ZoomR on a flat area free from obstacles that may cause injury or death when you fall off.

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DESCRIPTION

This manual describes some safety information to assist you to use the ZoomR safely. The user must not use the ZoomR in ways that it is not intended to be used. If you are unsure as to whether you should use the ZoomR in a certain way then it is better to be safe and not use the device in that way.

RIDING RISK

ZoomR is for personal use only. It is designed for a single person to use with a maximum weight of 100KG. This is not a commercial device and is not designed to carry extra weight, baggage, goods or people. It is not for use in off road locations.



Serious injury or even death may result from falling, loss of control, collisions or impacts.

PREPARATION BEFORE DRIVING

Before using, please check battery, wheels, bolts and other connections to ensure that there are no loose items. If this is your first time using ZoomR then ensure that you thoroughly read the Training Required Section on learning to use this device.



Failure to learn how to use this ZoomR by practise in a safe area free from obstacles, people and other devices may result in serious injury or death.

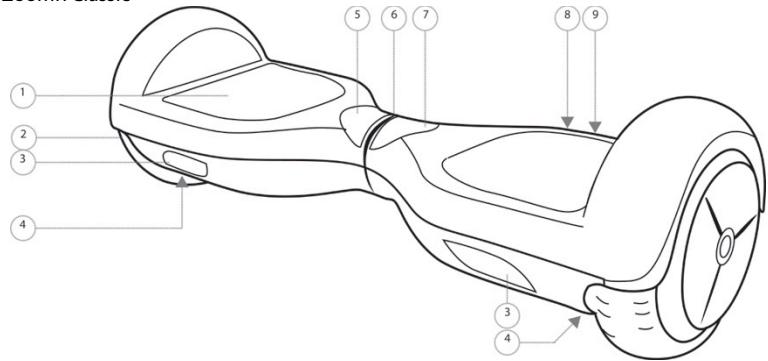
/ Product Introduction

DESCRIPTION

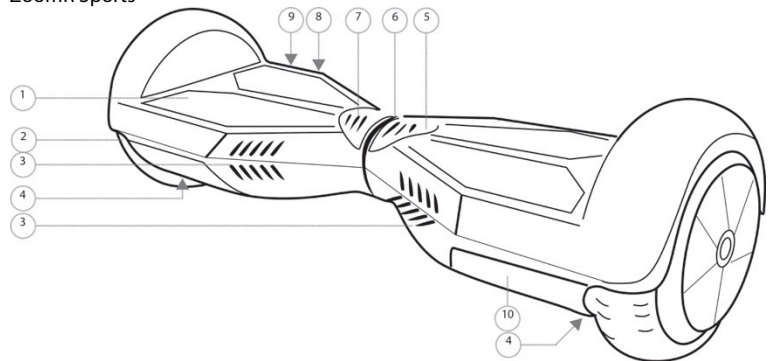
ZoomR is a high-tech electric board, which responds to the dynamic movement of the user to control its movement forward, backward, turning and stopping.

DIAGRAM OF PARTS

ZoomR Classic



ZoomR Sports



- 1. Footpads
- 2. Solid non-pneumatic rubber wheels with inbuilt motors
- 3. Illuminating sensor lights that respond to movement
- 4. Ventilation holes
- 5. Battery display
- 6. Pivot point
- 7. Running display
- 8. Charging port
- 9. Power button
- 10. Rubber scratch protection

POWERING ON & OFF

Press the power button and the battery display will signal the ZoomR is ready to ride. ZoomR has an easy automatic shut down timer that will engage in a few minutes once the rider hops off the device. Alternatively, you can use the remote control to shut down the ZoomR manually

REMOTE CONTROLLER

The remote control can operate within a maximum distance of 5 meters. The remote control will not work until the ZoomR has been stationary and disengaged for a couple of moments.

- (a) Lock Button – a long press of this button turns the device off.
- (b) Unlock Button – press this button and the device will be prohibit operation. Press again to undo.

Note that after a few minutes without use the ZoomR will automatically shut down unless the device has been prohibited from operation. Leaving the device prohibited mode when not in use will increase power consumption. ZoomR remotes have the ability to communicate with multiple ZoomRs.

FOOTPAD SENSOR

There are four sensors under the footpads that the user stands on when using the ZoomR. It is essential that when using the ZoomR that your feet are evenly placed flat on these footpads.



Do not place items on the footpads as it can make the device move and increase the possibility of collision to cause injury or death and damage the device.

BATTERY DISPLAY & RUNNING DISPLAY

The displays are located in the middle of the ZoomR.

Battery Display:

Green LED indicates the ZoomR is fully charged

Orange LED indicates the power level is down to 50%

Red LED indicates the power level is down to 20%

When Red LED the battery is approaching flat, STOP riding and recharge immediately.



Continuing to use the ZoomR when the battery is low is very dangerous and can cause serious injury or death. The control sensors rely on sufficient power to operate correctly.

System Display:

Green LED shows the system is running correctly

Red LED shows a system error and you should stop using the ZoomR immediately

/ Product Introduction

WORKING PRINCIPLES

ZoomR uses gyroscopes and acceleration sensors to control balance intelligently responding to the position of the user and their weight distribution.

ZoomR Classic and Sports both feature 3Balance™, a 3VOLV-exclusive driving mode that performs the world's most precise stability control that is unmatched in other devices. It allows you to perform more of your movements in indoor and outdoor terrain – resulting in precise, ultra stabilising driving for every experience. The way it works is that the ZoomR is automatically stabilising between the balance of the driver and the ground. There are a ton of scenarios where 3Balance gives great results. Moments when you are driving on ground that is slanted, bumpy, paved, polished, etc. would all work great. Especially when you reach top speed, it remains steady.

ZoomR uses servo-control system to drive the wheels with precision accuracy. Although its movements are based on those of the human body, it takes practise to be able to use the ZoomR in a safe and effective manner.



Never use the ZoomR without learning and practising in a safe obstacle free area.

When you stand on the ZoomR and shift your weight forward, the wheels will move forward, if you shift your weight backward, the wheels will move backward.

To turn you need to slow down and shift your weight in the direction you wish to go while keeping your balance.



Failing to slow down before turning or attempting high speed turns can cause serious injury or death.

Although the built-in inertia dynamic stabilisation systems can keep the ZoomR moving in either forwards or back, incorrect weight distribution can cause the direction to change and cause you to lose your balance and fall.

Turning on the ZoomR takes practise and skill, it is essential that you take the time to develop your skills so as to prevent injury or death.

GENERAL PRINCIPLES OF SAFE USE

The ZoomR is a fun device that can be used safely when the user has spent sufficient time practising in a safe area learning how to use correctly. Like learning to ride a bike, driving a car or other skill users cannot expect to jump straight on the device and use it safely and efficiently.



Like other devices should you intentionally use it too fast or beyond a speed not comfortable to maintain control, off road, for stunts, tricks or other ways it is not intended can result in serious injury or death.



Do not make any modification to the software or the parts as it will affect the performance of the ZoomR and can cause serious injury or death. Any alteration will void your warranty.

USER'S WEIGHT LIMIT

The follow two points are the reason of weight limit:

1. Ensures the safety of user.
2. Reduce the damage due to overload.

Maximum Load: 100kg

Minimum Load: 20kg.

Overloading the ZoomR may cause the sensors to work incorrectly and can pose serious danger to the user.

MAXIMUM RANGE

The maximum range is affected by many factors including:

- (a) Landform: a smooth, flat surface will increase the distance of the battery charge
- (b) Weight of the user
- (c) Temperature
- (d) Maintenance
- (e) Battery health
- (f) Use style: more aggressive use will reduce range.

SPEED LIMIT

The maximum speed is 10km/h and the ZoomR contains a gyroscopic speed reducer that will attempt to change the angle of the ZoomR to reduce speed. The battery display contains an orange LED that will flash to warn the user of speeding or aggressive stopping. Inclines, traction and excessive tilt may still allow the user to exceed this speed limit and the user should ensure that they maintain a safe speed to suit the conditions and the their level of skill.

Under some conditions, such as slippery, icy or curves it may be necessary to use the ZoomR at a lower speed. The rider must adjust their speed to use the ZoomR safely.



Using the ZoomR at speeds higher than those that suit the conditions, whether or not this is the maximum speed, can result in serious injury or death.

/ Training Required

The ZoomR requires you to train and practise in an area that is free from obstacles, allows you to fall safely without injury and develop the skill necessary to use it safely and effectively. See the Safety Equipment Section before training.

OPERATING PROCEDURE

Starting

Press the power button.

Mounting

Always start with the ZoomR in front to mount. Place the ZoomR on flat, level ground, free from obstacles, other people, devices or items that you may collide with.

Facing the ZoomR, place one foot flat on the footpad which will trigger the ZoomR to engage and will take several seconds to calibrate self balancing, once the green LED running display indicates the ZoomR is balanced then put the other foot on the device. Distribute your weight evenly.

Mounting the ZoomR is best likened to the motion of climbing up stairs.

Balance

Balancing is key to be able to control the ZoomR effectively and safely. It is vital that you are able to keep the ZoomR stationary and maintain your balance without falling off.



If you are unable to maintain balance on the ZoomR while stationary then you should not proceed to attempting to move the ZoomR. Have someone assist you to maintain balance.

Once you are able to balance while the ZoomR is stationary you should then proceed to small movement. You should move your weight slightly forward so that the ZoomR moves straight forward for no more than 1 m. Then bring the ZoomR to stop by moving your weight back to the centre. Then move your weight slightly backwards so the ZoomR moves straight backwards to your original starting position. You need to be able to complete these manoeuvres multiple times and with ease before proceeding further.



Slight changes in weight can cause dramatic changes in movement of the ZoomR. Make sure that you use small movements.

Control

Shifting your weight forward will cause the wheels to move forward

Shifting your weight backward will cause the wheels to move backward

Shifting your weight to the left will cause the device to turn to the left

Shifting your weight to the right will cause the device to turn to the right

Centering your weight will cause the ZoomR to stop

Dismounting

To dismount from the ZoomR you need to return it to a stationary position by shifting your weight back to the center and waiting for the wheels to stop moving. Once the wheels have stopped moving and while maintaining your balance quickly remove one foot and place it flat on the ground behind you. Then remove the other foot. Dismounting with a helper is recommended for learners.



Do not dismount on the ground in front of you or while the ZoomR is moving, this can cause serious injury or death. Always dismount stepping backwards.

PRACTISE

It is vital that before taking your ZoomR to a different location or using in a lesser controlled environment you need to practise multiple moves.

In a flat area free from obstacles, intrusions, people or other items that can cause collision or injury if you fall, you must practise these movements until you can repeat each of them easily.

Balance

Move the ZoomR slowly straight forward for several meters

Come to a complete stop

Move the ZoomR slowly straight backward to the original starting position

Repeat the above steps with gradually increasing speed, varying speeds and ensure that you can do so with stability, balance and not falling off.

Circles

Gently move your weight to the left and move the ZoomR around in a large slow circle

Gradually increase your speed (not too fast) and use varying speeds while maintaining your balance

Repeat the above but causing the ZoomR to perform large circles

Figure 8

Place 2 soft clearly visible items 2 metres apart

Control the ZoomR to perform a figure 8 that starts on the right of the first marker

Repeat the above step but starting on the left of the first marker

Repeat both above with varying speeds (not too fast and increase gradually) and spaces between the soft items

Dismounting

Practise the above steps but choosing different points to bring the ZoomR to a stop, quickly removing one foot and dismounting from the ZoomR



Do not turn sharply in the case of high speed to avoid injury or death

Do not turn round quickly on slopes, it may cause injury or death

/ Protection Function

The ZoomR has an inbuilt protection function to assist with the safe use of the device. This is not a substitute for your safe use of the ZoomR.

The ZoomR will slow to a step if:

- (a) There is a system error
- (b) When the incline is more than 10 degrees
- (c) When battery voltage is too low
- (d) When charging
- (e) Over maximum speed
- (f) Continuous tilting back and forth
- (g) Tilting in excess of 35 degrees
- (h) Wheel blockage



Do not continue using if the protection function was due to a system issue, low battery or wheel blockage. Continued use under low power will affect battery life.

CLOTHING

You need to wear flexible clothing that does not contain loose items which may become entangled in the wheels.

FLAT SHOES

Shoes should be enclosed and flat. Do not use with open shoes, thongs or heels.

HELMET

You must wear an Australian Standards approved bicycle helmet at all times when using the ZoomR.

CRASH PADS

It is advisable to wear elbow pads, wrist pads and knee pads.

/ Prohibited Uses

PROHIBITED USERS

The ZoomR should not be used by:

- (a) children under 10 years of age
- (b) pregnant women
- (c) people with balance issues
- (d) preexisting medical conditions
- (e) injuries
- (f) osteoporosis
- (g) weak joints, bones or soft tissue

PROHIBITED SURFACES

The ZoomR should not be used on:

- (a) roads
- (b) rough terrain
- (c) sand
- (d) water
- (e) high moisture
- (f) council malls (check for each local state law)
- (g) other areas where riding is prohibited by law or regulation

BATTERY POWER

You must stop using ZoomR if displays low power otherwise you may greatly reduce your battery effectiveness and its ability to hold charge

REPLACE BATTERY

The battery needs to be removed if it

- (a) Emits odor
- (b) Overheats
- (c) Leaks fluid

CHARGING

Only use the charger provided with the ZoomR

Ensure charging port is dry

Plug the charging cable into the ZoomR

Connect the cable with the power supply

Red LED on power supply indicates charging has commenced

When the indicator light changes from red to green the battery is fully charged

Do not leave the charger attached after the light turns green, this may damage the battery

Charging time is about 2-3 hours. Set an alarm to alert when charging is done.

BATTERY SPECIFICATIONS

Contents	Parameters
Battery	Lithium Battery
Charging Time	2-3 hours
Voltage	36V
Initial Capacity	2-4Ah
Working Temperature	-15°C-50°C
Charging Temperature	0°C-40°C
Storage Time(-20°C-25°C)	12 months
Storage Humidity	5%-95%

/ Maintenance

ZoomR requires simple maintenance.

CLEANING

Disconnect the charger and turn off ZoomR

Wipe with a dry cloth

The use of water or cleaning fluids can damage the ZoomR and should be avoided

Any moisture ingress will void the warranty

STORAGE

Fully charge battery before storing.

If you store your ZoomR for longer than one month, ensure to charge it at least once every three months.



Store indoors, at a dry and suitable temperature.

Parameter			
Model	ZoomR Classic Parameter	ZoomR Sports Parameter in addition to ZoomR Classic	Remarks
Net Weight	10kg	10.7kg	
Load	20-100kg		Include rider and belongings
Maximum Speed Limit	10km/h		
Range	15-20km		Terrain, riding style and weight may effect range
Max Climbing Limit	15°		Different load effect climbing limit
Minimum Turning Radius	0°		
Battery	Lithium		
Power Requirement	AC100-240V/50-60HZ		
Dimensions	584 x 186 x 178 mm	604 x 225 x 178 mm	
Ground Clearance	30mm		
Platform Height	110mm		
Material	Aluminium internal framework with plastic cover and anti-slip rubber footpad		
Tire	Non-pneumatic hollow tire		
Battery Capacity	4.4Ah		
Battery Voltage	36V		
3Balance™	Yes	Yes	3VOLL-exclusive driving mode that performs the world's most precise stability control that is unmatched in other devices

/ Contents

Number	Product Name	Quantity
1	ZoomR	1
2	3VOLT charger (ZoomR Classic & Sports)	1
3	Product Manual	1
4	Remote Control	1
5	ZoomR Carry Bag	1

The ZoomR is provided with a 3 month return to manufacturer warranty. The warranty may be voided if the ZoomR is used incorrectly, suffers moisture ingress or physical impact.

LIMITED WARRANTY CONDITIONS

3VOLV warrants its products and all parts thereof ONLY TO THE ORIGINAL END-USER PURCHASER to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP for a period of 3 MONTHS from date of purchase, except for conditions as follows:

1. Damages due to incorrect assembly or use without following instructions in user manual;
2. Warranty is expired or not covered;
3. Warranty or serial label is altered, removed or not compliant with the product;
4. Failures due to unauthorised disassembly, repair modification;
5. Unexpected damages due to user's liabilities including but not limited to heavy vibration, abrasion, collision or oxidation;
6. Damages during loading and transportation from transportation services;
7. Damages caused by wetting the product;
8. Wear and tear on vulnerable components such as wheels, tyres, or battery lifespan;
9. Other damages or failures due to problems not related to product design, technology, manufacturing or quality control.

CLAIMING WARRANTY

If you have encountered an issue with your ZoomR or other 3VOLV products and require the use of 3VOLV Warranty, contact us by visiting **3volv.com.au/support**.

In the message state:

Type of ZoomR;

Date of purchase;

Contact phone number;

Proof of purchase; and

Detailed description of the problem.

3VOLV will make contact with you to address the problem.

If you have accidentally damaged your ZoomR or other 3VOLV products and you're aware it's not covered under warranty, or you are not the original end-user purchaser, feel free to contact us at the above website and we will endeavour to assist with fixing or replacing at your cost(s).

RECALIBRATING THE BALANCE ON THE ZOOMR

Recalibrating the balance of the ZoomR must only be done in event that normal operation has become unbalanced.

1. Place ZoomR upright on flat level ground and ensure footpads are pivoted evenly and level
2. Press the power button on the ZoomR to start the ZoomR
3. Using the remote control, press the unlock button and the system display will indicate a red LED
4. Press and hold both lock and unlock buttons on the remote for 3 seconds, release both buttons and then the system display will begin to flash a red LED
5. Do not touch the ZoomR as it is now recalibrating. When the flashing red LED and the system display is no longer lit, this signals the ZoomR has finished recalibrating



Test the recalibrated ZoomR with one foot first on the footpad to ensure the balance is calibrated, before placing the other foot on. If you are unable to maintain balance on the ZoomR while stationary then you should not proceed to attempting to move the ZoomR, recalibrate and test the ZoomR once again. Should all of the above be unsuccessful, contact us by visiting **3volv.com.au/support**.

Learn more about 3VOLV products at **3volv.com.au**